

SEQ ID NO:3

Human Claspin nucleotide sequence AF297866

GACGSCGGGAGCCGCTGCTCTCCGGCTGAGGGAATCAGAGACAGCTCCGTCCCTAGTGGAG
CGCAGGGGAGGCAGAAGTCATGACAGGCGAGGTGGGTTCTGAGGTTACCTAGAAATCAAT
GACCCAAACGTCATTTTACAAGAGGAAGCAGATAGTCCTTCAGATAGTGGACAGGGCAGCT
ATGAAACAATTGGACCCTTGAGTGAAGGAGATTGAGATGAAGAGATATTTGTAAGTAAGAA
GTTGAAAAACAGGAAGGTTCTACAAGACAGTGATTCCGAAACAGAGGACACAAATGCCTCT
CCAGAGAAAACTACCTATGACAGTGCCGAGGAGGAAAATAAAGAGAATTTATATGCTGGGA
AAAATACAAAATCAAAGGATTTACAAAATGTGGCAGACAGTGATGAAAGTTACATGGA
AAAGTCTTTGTATCAGGAAAATCTTGAAGCGCAAGTGAAACCTTGCTTAGAGCTGAGTCTT
CAGTCTGGAAACTCTACAGACTTTACCACTGACAGAAAGAGTTCCAAAAGCACATACATG
ATAAAGAAGGAAGTGGAGGAAAAGCAAAAGTAAAATCAAAAAGAAGACTTGAGAAAGAGGA
GAGAAAAATGGAAAAATTAGACAGCTAAAAAAGAAGGAAACAAAAAACAGGAAGATGAT
GTAGAACAGCCATTTAATGACAGTGGCTGTCTTCTTGTGGATAAAGACCTTTTTGAACTG
GGTTGGAGGATGAAAATAAATCTCCATTGGAAGATGAAGAGTCATTAGAATCAATAAGAGC
AGCTGTAAAAAACAAAGTAAAAAAGCACAGAAAAAAGAACCATCTTTGGAGAGTGGGGTC
CATTCATTTGAGGAAGGAAGTGAGTTATCAAAGGAACACGAGGAAGGAAAGAAAGGCAG
CCAGATTAAGTAAAGAAGCATTAAACAACACTGCATAGTGAGACTCAGCGCCTTATTCGAGA
GTCTGCACTGAACCTTCCATATCATATGCCTGAGAATAAAACCATTTCATGATTTCTTCAA
CGTAAACCCCGGCCACTTGCCACGGAAATGCCATGGCACTATTGAAGTCATCTAAATATC
AGTCAAGCCATCACAAAGAAATCATAGACACTGCAAACTACTGAAATGAACAGTGATCA
CCATAGTAAAGGTTCTGAGCAGACAACAGGTGCAGAAAATGAAGTGAAACTAATGCACTC
CCTGTAGTTTCAAAGGAAACCCAGATCATTAAGTGGATCAGATGAGTCTTGCAGGAAGGATT
TGGTAAAAAATGAAGAGCTAGAAATTCAGGAGAAACAGAAGCAGAGTGACATTAGACCTTC
ACCTGGGGACAGCTCAGTGTGCAACAGGAATCCAACCTCCTCGGGAACAATCACAGTGAG
GAATGTCAGGTTGGAGGGCTTGTAGCATTTGAACCTCATGCCCTGGAGGGTGAAGGCCCC
AAAATCCAGAAGAAACAGATGAGAAAGTGGAAGAGCCTGAGCAGCAAAATAAATCATCAGC
AGTTGGGCCACCTGAAAAAGTGAGACGGTTTACTCTGGATAGACTTAAGCAACTGGGAGTA
GATGTTTCCATTAAACCACGGCTAGGTGCTGATGAAGATTCTTTGTGATACTTGAACCTG
AAACCAACAGAGAACTGGAAGCCTTGAAGCAGCGTTTCTGGAAGCATGCTAATCCAGCAGC
CAAACCCAGGGCTGGTCAGACAGTGAATGTGAACGTCTAGTGAAAGACATGGGCACTGAT
GGAAAGGAAGAGCTAAAAGCAGATGTGGTACCTGTGACTTTAGCACCTAAGAAGTTGGATG
GAGCAAGCCACACAAAACCAGGTGAAAAGCTTCAGGTGTTAAAAGCTAAACTGCAAGAAGC
AATGAAACTCCGAAGGTTTGAGGAGCGCCAGAAGCGCCAAGCACTGTTTAAATTAGATAAT
GAAGATGGGTCTGAGGAAGAGGAGGAGGAAGAGGAAGAAATGACAGATGAGTCTGAGGAAG
ATGGAGAAGAGAAGGTAGAGAAAGAAGAGAAAGAGGAAGAACTAGAGGAAGAGGAGGGGAA
AGAAGAGGAGGAGGAAGAAGAAGGAAATCAGGAGACTGCAGAATTCCTTCTTAGTAGTGAA
GAAATAGAAACAAAAGATGAAAAAGAAATGGATAAAGAAAATAATGATGGCAGTAGTGAAA
TTGGCAAGGCAGTTGGCTTCTCTCTGTTCCCAAGTCTCTCTCATCAGATTCTACTTTACT
TCTGTTTAAAGGACAGCTCTTCCAAGATGGGTACTCTCCTACTGAAGAAAATCAGAAACA
GATGAAAACCTCAGGCAAGCAGCCTAGCAAACCTGGATGAGGATGATTGTTTATTGCTAA
CAAAGGAGAGCAGCCACAATAGCAGCTTTGAGCTGATTGGCTCCACGATTCCATCCTATCA

FIGURE 2A

09982091.101701

GCCTTGCAACAGACAAACAGGCCGTGGGACCAGTTTTTTCCCTACAGCAGGAGGATTCAGA
TCTCCTTCCCCTGGGCTATTTTCGAGCCAGTTTGGTCAGCTCAGCTTCTAAGAGTTCAGGGA
AACTGTCTGAGCCTTCACTTCCCATAGAGGATTCCCAGGATCTGTATAACGCCTCCCCAGA
GCCTAAGACACTTTTCTAGGAGCAGGAGACTTCCAGTTCTGTTTAGAAGATGACACTCAG
AGCCAACTGTTGGATGCAGATGGGTCTTAAATGTTAGAAACCACAGGAATCAGTACCAAG
CTTTGAAGCCTCGATTGCCATTGGCCAGTATGGATGAGAATGCCATGGATGCCAACATGGA
TGAGCTGTTGGATTTGTGTACTGGAAAGTTCACATCTCAGGCTGAAAAACATCTACCCAGG
AAGAGTGACAAGAAAGAGAACATGGAGGAACTTCTGAACCTTTGTTTCAGGAAAATTCACTT
CTCAGGATGCCTCCACTCCAGCCTCATCAGAGTTAAATAAACAGGAGAAGGAGAGCAGCAT
GGGTGATCCAAATGGAAGAAGCACTTGCTCTTTGCTCAGGCTCTTTTCCCACAGACAAGGAA
GAGGAAGACGAGGAGGAGGAATTTGGAGACTTTCGGCTTGTTTCAAATGATAATGAGTTTG
ATAGTGATGAGGATGAACACAGTGAATCTGGTAATGATCTGGCACTGGAAGACCATGAAGA
TGATGATGAAGAAGAACTCCTGAAGCGATCTGAGAAGTTGAAAAGGCAAATGAGGTTGAGG
AAATACCTGGAGGATGAGGCAGAGGTGTCAGGAAGTGATGTGGGAAGCGAAGATGAGTATG
ATGGGGAAGAAATTGATGAATATGAAGAGGACGTAATTGATGAAGTACTTCCTTCTGATGA
GGAATGCAGAGTCAAATCAAGAAAATACACATGAAAACATATGTTGGATGATGATAAGCGA
CAGCTACGTTTATACCAAGAGAGGTACCTTGCTGATGGGGATCTGCACAGCGATGGTCCTG
GGCGAATGAGGAAGTTTCGATGGAAAAACATAGATGATGCTTCCCAGATGGACTTGTTCCA
CAGAGACTCTGATGATGATCAGACTGAAGAACAGCTTGATGAGTCAGAAGCCAGGTGGAGG
AAGGAGCGAATTGAACGAGAGCAGTGGCTTCGGGACATGGCACAGCAGGGGAAAATTACAG
CTGAAGAAGAAGAAGAAATTGGGGAGGACAGTCAGTTTATGATACTGGCCAAGAAAGTTAC
AGCCAAAGCACTGCAGAAGAATGCGAGTCGCCCTATGGTTATTCAGGAATCAAAGTCTTTG
CTCAGAAATCCTTTTGAAGCCATCAGACCAGGAAGTGCTCAACAGGTGAAGACAGGCTCAC
TGCTAAACCAGCCCCAAAGCTGTGCTTCAGAACTGGCTGCTCTCTCTGACCATAACCCAG
TGCTCCTCGAAATTCAAGAACTTTGTCTTTTCATACACTTTCTCCTGTCAAGGCTGAGGCG
GCAAAGGAATCGTCTAAGTCTCAGAAGATCCCAGAGAAGGACTCTGACTGGCTCACCTGGA
GTGGAGCTCCTATCCCTGGATTCTTCAGGCTTTCATTTGACCCACATGGTTAAGCTGGGAG
AGACAGAGTCCAAAGAGAGGCGGAGAAGGGCTATTCTGGGCAGAACAAACAATTGATGACT
TTATGGCTCTGTGGTCTGGGCAGAACTGCATAACCCTAGATCACCAAAGCTGAGAGCCTTT
AGGAGTGAGGATTTGGGCCGGGCATGGTGGCTCAGCCTGTAATCCCAGCACTTTGGGAGG
CCGAGGTGGGTGGATCACAAGGTGAGGAGATCAAGACCAACCTGACCAACATGGTGAGGCC
CCATCTCTACTAAAAATACAAAAATTAGCTGACGTGATGCATGCACCTGTAATCCCAGCTA
CTCGGGAGGCTGAGGCGGGAGAATCGCTTGAACCCGGGAGGTTGGAGGTTGCGGTGGGCCG
AGATTGCGCCACTGCACTCCAGCCTGGGCGACAGAGCGGGACTCCATCTCAAAAAAAAAA
AAAAAAGTGAGGATTTGGGTACCCCAGGCTGAAGGCCAGGGGAACCTGAATGATAAGGG
AAGGGAAAACCTAGGCCACAGTCTGATTAGAAATGGGGCTGAATTCACCCTGTTTTTCT
TTACTGGAGATTCAATTTGAATTACTCTGCCTCCCTTCTTATTCCTTTTCCCTTTTAAAAA
GTCATCATAATCATAAAAATTTCTTTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

FIGURE 2B